

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims

- 1) (Canceled)
- 2) (Currently amended) A patterned porous filtration structure comprising one or more layers of a porous structure membrane having one or more areas of porous material and one or more areas of non-porous material.
- 3) (Currently amended) The patterned structure of claim 2 wherein the one or more areas of porous material are more than one in number and are arranged in a manner so as to be separate and distinct from each other and separated from each other by a the non-porous structure material.
- 4) (Canceled)
- 5) (Canceled)
- 6) (Canceled)
- 7) (Canceled)
- 8) (Cancelled)
- 9) (Original) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers.
- 10) (Canceled)
- 11) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers and each of the layers have one or more areas of porous material and one or more areas of non-porous material.
- 12) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers and less than all of the layers have one or more areas of porous material and one or more areas of non-porous material formed therein and in register with each other.

13) (Previously presented) A patterned porous structure comprising one or more layers of a porous structure having one or more areas of porous material and one or more areas of reduced porosity or non-porous material wherein the porous structure is formed of two or more layers and each of the layers have one or more areas of porous material and one or more areas of reduced porosity material formed therein and the areas of porous and reduced porosity material vary from layer to layer.

14) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers and at least one of the one or more layers have one or more areas of porous material and one or more areas of non-porous material formed therein.

15) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers, at least one of the layers has one or more areas of porous material and one or more areas of non-porous material formed therein and wherein the two or more layers are selected from the group consisting of porous membranes, porous support materials and blends thereof.

16) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers, at least one of the layers has one or more areas of porous material and one or more areas of non-porous material formed therein and wherein at least one layer is a porous membrane and the remaining layer(s) are selected from the group consisting of porous membranes, porous support materials, or non-porous materials and blends thereof.

17) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers and each of the layers having formed therein one area of porous material surrounded by one area of non-porous material along an outer periphery of the porous material.

18) (Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers, each of the layers having formed therein one area of porous material surrounded by one area of non-porous material along an outer periphery of the of the porous material and the porous material being in a shape selected from the group consisting of circles, ovals, triangles, rectangles, squares and polygons.

19)(Previously presented) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers of porous membranes and each of the layers having formed therein one area of porous material surrounded by one area of non-porous material along an outer periphery of the porous material.

20)(Currently amended) The patterned structure of claim 2 wherein the porous structure is formed of two or more layers of porous structures membranes, each of the layers having formed therein one area of porous material surrounded by one area of non-porous material along an outer periphery of the porous material and the porous structures membranes are formed of a materials selected from the group consisting of polyolefins, polyolefin copolymers and terpolymers, PTFE resin, thermoplastic perfluoropolymers, polyamides, polyimides, PVDF, polyethersulphones, polysulphones, polyarylsulphones, PVC, PET, polycarbonates, cellulose, cellulose esters, cellulose acetate, cellulose nitrate, polystyrenes, polyetherimides, acrylic polymers, methacrylic polymers, copolymers of acrylic or methacrylic polymers, epoxies, epoxy filled materials, polyurethanes and blends of any of the above.

21)(Currently amended) The patterned structure of claim 2 wherein the porous structure membrane is formed selected from the group consisting of polyolefins, polyolefin copolymers and terpolymers, PVDF, PTFE resin, thermoplastic perfluoropolymers, polyamides, polyimides, polyethersulphones, polysulphones, polyarylsulphones, PVC, PET, polycarbonates, cellulose, cellulose esters, cellulose acetate, cellulose nitrate, polystyrenes, polyetherimides, acrylic polymers, methacrylic polymers, copolymers of acrylic or methacrylic polymers, epoxies, epoxy filled materials, polyurethanes and blends of any of the above.

22) (Currently amended) The patterned structure of claim 2 wherein the porous structure membrane is surfaced modified before the formation of the porous and non-porous areas.

23) (Currently amended) The patterned structure of claim 2 wherein the porous structure membrane is surfaced modified after the formation of the porous and non-porous areas.

24) (Currently amended) The patterned structure of claim 2 wherein the porous membrane is surface modified and the surface modification is selected from the group consisting of hydrophilic coatings, hydrophobic coatings, negatively charged coatings and positively charged coatings.